IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kenne

Kenneth L. Arrington, et al.

Serial No. 10/582,826

Filed: June 14, 2006

For: MITOTIC KINESIN INHIBITORS

Art Unit: To be determined

Examiner: To be determined

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Sir:

- 1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).
- 2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
- 3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
- 4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK & CO., INC.

Date .

RELATED APPLICATION

INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

U. S. SERIAL NUMBER	FILING DATE	MERCK CASE
		_
If this is inconvenient, additional copies will be submitted upon reques	st.	
6. In accordance with 37 C.F.R. 1.97, (check one)		
the attached information is filed within three months of the filing da	ate of the captioned case.	
the attached information is filed more than three months after the Office Action on the merits.	filing date but prior to the m	ailing of a first
the attached information is filed before the mailing of a first Office examination under §1.114.	action after the filing of a re	equest for continued
the attached information is being filed more than three months after Office Action on the merits, but before the mailing date of a Final Action otherwise closes prosecution in the application. The enclosed authorized authorized the count No. 13-2755 for the fee required under 37 C.F.R. 1.17(p)	Action, Notice of Allowance thorization is therefore give	, or an action that
each item of information contained in this Information Disclosure S from a foreign patent office in a counterpart foreign application no Statement.		
each item of information contained in the information disclosure s from a foreign patent office in a counterpart application and this condesignated in §1.56(c) more than thirty days prior to the filing of the	ommunication was not rece	ived by any individual
no item of information contained in this Information Disclosure State foreign patent office in a counterpart foreign application, and, to the after making reasonable inquiry, was known to any individual desiments prior to the filing of this Statement.	e knowledge of the person	signing the certification
	Respectfully submitted,	

By: David A. Muthard

Attorney For Applicant(s)

Reg. No. 35,297

MERCK & CO., INC.

Patent Dept., RY60-30

P.O. Box 2000

Rahway, N.J. 07065-0907

(732)594-<u>3903</u>

Date: February 15, 2007





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Kenneth L. Arrington, et al.

Serial No.:

10/582,826

Case No.: 21596P

Art Unit:

To be determined

To be determined

Filed:

June 14, 2006

For:

MITOTIC KINESIN INHIBITORS

Examiner:

Mail Stop: Amendment Commissioner of Patents

P.O. Box 1450

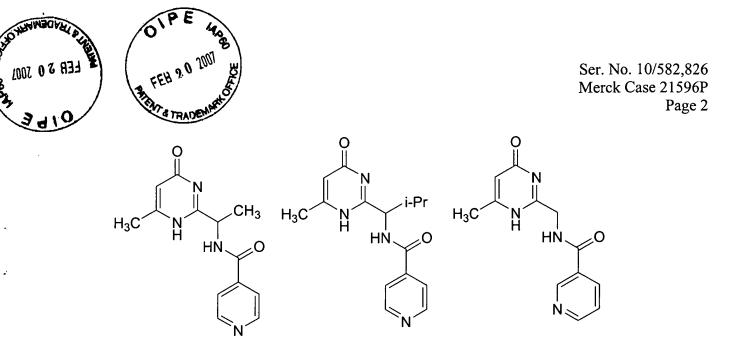
Alexandria, Virginia 22313-1450

EXPLANATION OF RELEVANCE OF NON-ENGLISH DOCUMENT UNDER 37 C.F.R. 1.98(a)(3)(i)

Sir:

Applicants respectfully note that one (1) of the documents listed on the USPTO 1449 form submitted herewith are not in the English language and a copy of an English translation of this document is not within the possession, custody or control of Applicants, and, to the Applicants knowledge, is not readily available. Below is a concise explanation of the relevance of this non-English document:

Japanese Patent Application No. 62-135473 discloses substituted imidazo[1,5-a] pyridine compounds that have activity as cardiotonic agents. The Japanese application also describes methods of preparation of those compounds. In particular, the Japanese patent application discloses both generally and specifically that 2-substituted-4-oxopyrimidines are useful as intermediates in the synthesis of the claimed imidazopyridines. Thus the following compounds are disclosed in the Japanese application as intermediates in the synthesis of therapeutically active compounds disclosed therein:



The instant invention discloses certain substituted oxopyrimidines that are inhibitors of the mitotic kinesin KSP and are useful in the treatment of cancer.

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VIRGINIA 22313-1450, ON THE DATE APPEARING BELOW.

MERCK & CO., INC.

Respectfully submitted,

David A. Muthard Reg. No. 35,297

Attorney for Applicant(s)

MERCK & CO., INC.

P.O. Box 2000

Rahway, New Jersey 07065-0907 (732) 594-3903

Date: February 15, 2007

•						Patent and Trademark Office; U.S DEPARTMENT OF COMMERCE
	Substit	tute for form 1449A/PTO				COMPLETE IF KNOWN
	INFORMATION DISCLOSUI O 1 P STATEMENT BY APPLICAN			CLOSURE	Application Number	10/582,826
				DI ICANT	Filing Date	June 14, 2006
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	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)		Date of Publication of Cited Document MM-DD-YYYY				
		6,545,004	T	Finer, et al.	04/08/2003				
		6,534,658		Kojima, et al.	03/18/2003				
		4,649,198		Irikura, et al.	03/10/1987				
		4,914,104		Irikura, et al.	04/03/1990				
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	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Office	Foreign Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		PCT	WO 01/30768		Cytokinetics, Inc.	05/03/2001		
. ,		PCT	WO 03/094839		Cytokinetics, Inc.	11/20/2003		
		PCT	WO 2004/032879		Cytokinetics, Inc.	04/22/2004		
		PCT	WO 2004/091547		Cytokinetics, Inc.	10/28/2004		
		PCT	WO 03/099211		Merck & Co., Inc.	12/04/2003		
		EP	0 373 891		Imperial Chemical Industries	12/12/1998		
		JP	6-49070 (Eng. Trans. Att'd)		Kyorin Pharmaceutical Co., Inc.	02/22/1994		
		Љ	62-135473		Fujisawa Pharmaceutical Co., Inc.	06/18/1987		
		РСТ	WO 95/11235		The Upjohn Company	04/27/1995		
		EP	0 134 928		Kyorin Pharmaceutical Co., Inc.	03/27/1985		

Examiner	Date
Signature	Considered

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

bstitute for form 1449A/PTO			COMPLETE IF KNOWN				
NFORMATION	N DIS	CLOSURE	Application Number	10/582,826			
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			Group Art Unit	To be determined			
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	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	U.S. Patent Document	Kind Code (f known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY			
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Office	Foreign Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		PCT	WO 03/035076		Ist. di Rich. di Bio. Molec. P. Ang.	05/01/2003	
		PCT	WO 03/035077		Ist. di Rich. di Bio. Molec. P. Ang.	05/01/2003	
							
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Examiner Signature Date Considered

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ubstitute for form 1449B/PTO		_	COMPLETE IF KNOWN				
· · · · · ·	DIS	CLOSURE	Application Number	10/582,826			
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		,	Group Art Unit	To be determined			
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3	of	3	Attorney Docket Number	21596P			
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		NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
		C.D. Cox, et al., Bioorganic & Medicinal Chem Ltrs. Vol. 15, pgs. 2041-45 (2005)
		W. Tao. Cell Cycle, Vol. 4 (11), pgs. 1495-1499 (2005)
		K.D. Chu, et al. Proc. Am. Soc. Clin. Oncol., Abstract 525, pg. 131 (2003)
:		R. Sakowicz, et al., Cancer Research, Vol. 64, pgs. 3276-80 (2004)
		W. Tao, et al., Cancer Cell, Vol. 8, pgs. 49-59 (2005)
		J.C. Bennet, et al., Cecil Textbook of Medicine, 20th Ed., Vol. 1, pgs. 1004-1010 (1996)
<u>.</u> .		Haque, et al., Cell Motility and Cytoskeleton, No. 58, pgs. 10-16 (2004)
		Yildiz, et al., Trends in Cell Biology, Vol. 15(7), pgs. 112-120 (2005)
		Maliga, et al., Chem. Biol., Vol. 9(9), pgs. 989-996 (2002)
	_	Katou, Patent Abstracts of Japan, Vol. 007, No. 095 (1983)
	_	N. Katagiri, et al., Chemical and Pharmaceutical Bulletin, Vol. 31 (7), pgs. 2288-2295 (1983)
		H. Uchida, et al., Bulletin of the Chem. Soc. of Japan, Vol. 46(10) pgs. 3277-3280 (1973)

	Examiner Signature		Date Considered	
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